1 of 1

260-0295 / 0296

Faxback Doc. # 3146

RadioShack
Disk Cleaner

REQUESTED FOR:

57070376
PERFECTDATA CORP
1825 SURVEYOR AVE

SIMI VALLEY , CA 93063

ORDER NO:
PROD NO: 04326702

VAN WATERS & ROGERS INC., SUBSIDIARY OF UNIVAR
1600 NORTON BLDG. SEATTLE, WA 98104-1364 (408) 435-8700

EMERGENCY ASSISTANCE

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL CHEMTREC (800)424-9300

FOR PRODUCT AND SALES INFORMATION

CONTACT YOUR LOCAL VAN WATERS & ROGERS BRANCH OFFICE

PRODUCT IDENTIFICATION

PRODUCT NAME: ISOPROPYL ALCOHOL
COMMON NAMES/SYNONYMS: ISOPROPANOL; 2-PROPANOL; DIMETHYL CARBINOL; IPA

CAS NO.: 67-63-0
VW&R CODE: P1238

FORMULA: C3 H8 O
HAZARD RATING (MANUFACTURER)
HEALTH: 2
FIRE: 3
REACTIVITY: 0
SPECIAL: NONE

DATE ISSUED: 02/90
SUPERCEDES: 09/89
HAZARD RATING SCALE:
0=MINIMAL 3=SERIOUS
1=SLIGHT 4=SEVERE
2=MODERATE

HAZARDOUS INGREDIENTS

COMPONENT	%	EXPOSURE LIMITS, PPM OSHA PEL	ACGIH TLV	OTHER LIMIT	HAZARD
ISOPROPYL ALCOHOL	>99	400	400	500 (ACGIH STEL)	FLAMMABLE

PHYSICAL PROPERTIES

BOILING POINT, DEG F: 181
MELTING POINT, DEG F: -127
SPECIFIC GRAVITY (WATER=1): 0.79
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID; MEDICINAL ALCOHOLIC ODOR
VAPOR PRESSURE, MM HG/20 DEG C: 33
VAPOR DENSITY (AIR=1): 2.07
WATER SOLUBILITY, %: 100
EVAPORATION RATE (BUTYL ACETATE=1): 3

FIRST AID MEASURES

IF INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF SKIN CONTACT: IMMEDIATELY WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS AFTER WASHING.

IF SWALLOWED: IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING BY DIVING 2 GLASSES OF WATER AND STICKING A FINGER DOWN THE THROAT. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. KEEP THE VICTIM'S HEAD BELOW HIS HIPS WHILE VOMITING SO HE DOES NOT BREATHE THE VOMITUS INTO HIS LUNGS.

NOTES TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

----------HEALTH HAZARD INFORMATION----------

PRIMARY ROUTES OF EXPOSURE: SKIN OR EYE CONTACT, INHALATION, SWALLOWED

SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: VAPORS AND MISTS IRRITATE THE NOSE AND THROAT. INHALATION OF HIGHER CONCENTRATIONS MAY CAUSE HEADACHES, VOMITING, AND COMA. INHALATION OF VERY HIGH CONCENTRATIONS OR PROLONGED EXPOSURE MAY CAUSE UNCONSCIOUSNESS OR DEATH.

EYE CONTACT: VAPORS WILL IRRITATE THE EYES. LIQUID AND MISTS CAN SEVERELY IRRITATE OR DAMAGE THE EYES AND CAUSE CORNEAL BURNS.

SKIN CONTACT: BRIEF CONTACT MAY DRY THE SKIN, OR CAUSE BURNING OR STINGING SENSATION. PROLONGED OR REPEATED CONTACT MAY IRRITATE THE SKIN, CAUSING DERMATITIS.

SWALLOWED: SWALLOWING LARGE QUANTITIES CAUSES HEADACHES, NAUSEA, VOMITING, STOMACH CRAMPS AND DIARRHEA, AND PERHAPS UNCONSCIOUSNESS, OR DEATH.

CHRONIC EFFECTS OF EXPOSURE: PROLONGED OR REPEATED EXPOSURE TO HIGH CONCENTRATIONS CAN PRODUCE SEVERE OR FATAL CNS DEPRESSION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS, OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

----------TOXICITY DATA----------

ORAL: RAT LD50 = 5840 MG/KG
HUMAN LETHAL DOSE = 250 ML

DERMAL: RABBIT LD50 = 13 GM/KG

INHALATION: RAT LC50 = 16,000 PPM/8 HR

CARCINOGENICITY: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

OTHER DATA: NONE

----------PERSONAL PROTECTION----------

VENTILATION: LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE BELOW THE PEL.

RESPIRATORY PROTECTION: IF USE CONDITIONS GENERATE VAPORS OR MISTS, WEAR A NIOSH-APPROVED RESPIRATOR APPROPRIATE FOR THOSE EMISSION LEVELS. APPROPRIATE RESPIRATORS MAY BE A FULL FACEPIECE OR A HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS/MISTS, A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE, OR A SUPPLIED-AIR RESPIRATOR.

EYE PROTECTION: CHEMICAL GOGGLES UNLESS A FULL FACEPIECE RESPIRATOR IS ALSO WORN. IT IS GENERALLY RECOGNIZED THAT CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH CHEMICALS BECAUSE CONTACT LENSES MAY CONTRIBUTE TO THE SEVERITY OF AN EYE INJURY.

PROTECTIVE CLOTHING: LONG-SLEEVED SHIRT, TROUSERS, SAFETY SHOES, RUBBER

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MATERIAL SAFETY DATA SHEET
ANTI-STATIC SPRAY

April 1991

SECTION I GENERAL INFORMATION

Distributor's name and address:

PerfectData Corporation
1825 Surveyor Avenue
Simi Valley, CA 93063
(805) 581-4000

PRODUCT NAME: ANTI-STATIC SPRAY/STATFREE SPRAY (550087-20)

EMERGENCY CONTACT: CHEMTREC (800) 424-9300

SECTION II HAZARDOUS INGREDIENTS

A quarternary Ammonium compound with unsaturated fatty hydrophobe

SECTION III PHYSICAL CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F.
VAPOR PRESSURE: same as water
VAPOR DENSITY (Air = 1): 16m/cm3
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: Complete
VISCOSITY: same as water
pH: 7.5
APPEARANCE AND ODOR: Slightly yellow liquid; lemon fragrance

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): None
EXTINGUISHING MEDIA: N/A
FLAMMABLE LIMITS: LEL = N/A UEL = N/A
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None
AUTO IGNITION TEMPERATURE: None

SECTION V REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: None
CONDITIONS TO AVOID: None
HAZARDOUS POLYMERIZATION: Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen

SECTION VI HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, skin, ingestion
HEALTH HAZARD: None
CARCINOGENICITY: NTP: No IARC Monographs: No OSHA REQUIRED LABEL: No
EYE CONTACT: May cause eye irritation.
SKIN CONTACT: May cause skin irritation.
INHALATION: No known effects.
INGESTION: May cause gastrointestinal disturbances.

ANTISTAT SPRAY
SECTION VI cont.

SIGNS AND SYMPTOMS
OF EXPOSURE: Eye, irritation, nausea if ingested, dry skin
MEDICAL CONDITIONS
AGGRAVATED BY
EXPOSURE: Unknown
SUGGESTED
FIRST AID: Eyes: Flush with water for 15 minutes.
Skin: Wash thoroughly with soap and water.
For eyes and skin: If irritation develops, get medical attention.
Ingestion: Get medical attention.

SECTION VII **PRECAUTIONS FOR SAFE HANDLING AND USE**

PRECAUTIONS
FOR SAFE HANDLING: Avoid eye contact and prolonged skin contact.

IN CASE OF SPILL: Mop up or pick up with absorbent material. Rinse area with water.

WATER DISPOSAL
METHOD: Follow all Federal, State and Local waste disposal regulations.

SECTION VIII **CONTROL MEASURES**

EYE PROTECTION: Safety glasses
SKIN PROTECTION: None
VENTILATION: N/A
RESPIRATORY AND
SPECIAL PROTECTION: None
OTHER PROTECTION: None
WORK HYGIENIC PRACTICES: Follow normal hygienic practices

SECTION IX **DEPARTMENT OF TRANSPORTATION**

DOT PROPER SHIPPING NAME: Not established
DOT HAZARD CLASS: Non-hazardous

SECTION X **ENVIRONMENTAL INFORMATION**

SPILL RESPONSE: Collect with absorbent material.

RECOMMENDED DISPOSAL: Follow all Federal, State and local regulations.

ENVIRONMENTAL DATA: No known carcinogens present.

DOT HAZARD ID NO.(UN/NA):Not classified

ANTI-STATIC SPRAY

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260-0296

MATERIAL SAFETY DATA
CASE & CABINET CLEANING SOLUTION SO7420 April 19! Faxback Doc. # 3146

SECTION I **GENERAL INFORMATION**

Distributors Name and Address:

PerfectData Corporation
1825 Surveyor Avenue
Simi Valley, California 93063
(805) 581-4000

PRODUCT NAME: CASE & CABINET CLEANING SOLUTION (550087-21)
CASE & CABINET WIPES

EMERGENCY CONTACT: **CHEMTREC (800) 424-9300**

NFPA Hazard Rating
Health (Blue): 1
Flammability(Red): 1
Reactivity(Yellow): 0

SECTION II **HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazard Rating: Material	CAS #	ACGIH TLV	OSHA PEL

Contains NO hazardous ingredient as listed in the following references: 1) CFR 29, 1910.1000, Subpart Z, REV 01JUL88; 2) The Director's List of Hazardous Substances (CA); 3) Threshold Limit Values and Biological Exposure Indices for 1989-1990 (ACGIH).

SECTION III **PHYSICAL DATA**

MELTING POINT:	N/A	SPECIFIC GRAVITY:	1.02
BOILING POINT:	220 °F	SOLUBILITY IN WATER:	Complete
VAPOR PRESSURE (mm Hg):	ND	EVAPORATION RATE(BuAc = 1):	1
VAPOR DENSITY(Air = 1):	1	PH:	12.6
ODOR:	Strawberry Scent	APPEARANCE:	Pink

SECTION IV **FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:	200 °F
METHOD USED:	P.M.C.C.
AUTOIGNITION TEMPERATURE:	N/A
FLAMMABLE LIMITS:	UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA:	Dry Chemical, Foam, Co_1, Water spray

SPECIAL FIRE FIGHTING PROCEDURES:
Wear goggles and self-contained breathing apparatus. Use water to keep fire-exposed containers cool and to flush spills away from fire. In the case of large fires also cool surrounding equipment and structures with water.

CASE & CABINET

SECTION V	REACTIVITY
STABILITY:	Stable
CONDITIONS TO AVOID:	Stable under normal storage conditions.
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBILITY:	None known
HAZARDOUS DECOMPOSITION:	None known

SECTION VI ENVIRONMENTAL AND DISPOSAL INFORMATION

CAUTION:
Use appropriate protective and safety equipment. See Section IX of this Material Safety Data Sheet for handling precautions.

SMALL SPILL:
Sweep up spilled material and dispose of in DOT-approved waste containers. Flush spill area to sewer with water.

LARGE SPILL:
Shovel spilled material into DOT-approved waste containers for disposal.

WATER DISPOSAL INFORMATION:
Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. This product is not a characteristic waste by RCRA definitions.

NOTE:
COMPLY WITH ALL APPLICABLE GOVERNMENT REGULATIONS ON SPILL REPORTING AND HANDLING AND DISPOSAL OF WASTES. EMPTY CONTAINERS CAN HAVE RESIDUES, GASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL.

SECTION VII HEALTH HAZARD DATA

BREATHED:	Believed to be minimally irritating.
SKIN ABSORPTION:	Components are unlikely to be absorbed through skin in harmful concentrations.
SKIN CONTACT:	No evidence of adverse effects from available information.
EYE CONTACT:	May cause slight temporary eye irritation. Corneal injury is unlikely. No evidence of adverse effects from available information.
SWALLOWED:	Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of larger amounts may cause injury.
SYSTEMIC AND OTHER EFFECTS:	If a chronic effect has not been mentioned under a route of entry, no chronic effects are known to result from exposure to components of this product.
MEDICAL CONDITIONS AGGRAVATED:	No medical conditions are known to be aggravated by exposure to this product.

CASE & CABINET
SECTION VII cont.

SUSPECTED CANCER AGENT			
FEDERAL OSHA	CA OSHA	NTP	IARC
No	No	No	No

TARGET ORGANS, OTHER THAN THOSE IMPLIED BY ROUTES OF ENTRY (I.E., BREATHER, INCLUDES RESPIRATORY TRACT AND LUNGS) ARE CAPITALIZED.

SECTION VIII — FIRST AID

BREATHED:	Remove victim to fresh air at once. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult , give oxygen. Keep victim warm and at rest. GET IMMEDIATE MEDICAL ATTENTION.
SKIN ABSORPTION:	Warm skin immediately with lots of soap and water. If clothes and shoes are contaminated, remove and wash before reuse. Get medical attention if ill effect or irritation develops.
EYES:	Wash eyes immediately with running water for at least 15 minutes. Use fingers to assure that eyelids are separated and that eye is being washed. Lift the lower and upper lid occasionally. GET IMMEDIATE MEDICAL ATTENTION.
SWALLOWED:	DO NOT INDUCE VOMITING. If victim is conscious, give large amounts of water. do not attempt to give fluids to unconscious victim. GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN:
Supportive care:
Treatment based on judgement of physician in response to reactions of patient.

SECTION IX — HANDLING PRECAUTIONS

VENTILATION
Control airborne concentrations below exposure guidelines (Section 1) with MECHANICAL VENTILATION, if necessary. Local explosion-proof EXHAUST VENTILATION may be necessary for some operations.

RESPIRATORY PROTECTION
Atmospheric levels should be maintained below exposure guidelines. When respiratory protection is required for certain operations, use a NIOSH-approved cannister-type respirator. In confined or poorly ventilated areas or for emergency and other conditions where the exposure guidelines may be greatly exceeded, use an approved positive-pressure, self-contained breathing apparatus.

EYE PROTECTION
Contact lenses should not be used. Contact lenses may increase the severity of the injury. Suggested protection is safety glasses, but where contact with liquid is likely, chemical goggles or face shields are recommended.

SKIN PROTECTION
Impermeable gloves are recommended When prolonged or frequently repeated contact could occur, use protective clothing. Selection of specific items such as boots, apron, or full-body suit will depend on operation. Wash thoroughly after handling chemicals.

SPECIAL EQUIPMENT
Suitable safety equipment includes safety showers, eye washes, and proper fire extinguishing media.

CASE & CABINET

SECTION X **STORAGE AND HANDLING**

Train all employees on all special handling procedures in this section before they work with this product. Exercise reasonable care and caution. Personnel should avoid breathing vapors and/or mists and getting product in the eyes or on the skin. DO NOT CONSUME food, drink, or tobacco in areas where they may become contaminated with this material. Keep containers cool, dry and away from sources of ignition, DO NOT STORE product in direct sunlight, high temperature, or below freezing areas. Keep product container tightly closed when not in use. Protect containers form physical damage. Use and store with adequate ventilation. DO NOT cut, grind, weld or drill on or near this container. Ground all equipment. Wash thoroughly after using.

SECTION XI **DOT**

PROPER SHIPPING NAME	NON-REGULATED
HAZARD CLASS	NON HAZARDOUS BY CFR 49 72.101
ID NUMBER	NONE

SECTION XII **OTHER PRECAUTIONS**

None

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MATERIAL SAFETY DATA SHEET
VIDEO DISPLAY CLEANER April, 1990

SECTION I **GENERAL INFORMATION**

Distributor's name and address:

PerfectData Corporation
1825 Surveyor Avenue
Simi Valley, CA 93063
(805) 581-4000

PRODUCT NAME: VIDEO DISPLAY CLEANER (55087-18)

EMERGENCY CONTACT: **CHEMTREC (800) 424-9300**

N.F.P.A. : 704 HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0

SECTION II **HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

HAZARDOUS COMPONENT: Ethyl Alcohol - Denatured
PERCENT: Concentrate: 10.0
CAS NUMBER: 64-17-5 ACGIH TLV: 1000 ppm
OSHA PEL: 1000 ppm MANUFACTURER PEL: Not Established

HAZARDOUS COMPONENT: 2-Butoxyethanol*
PERCENT: Concentrate: 75.0
CAS NUMBER: 111-76-2 ACGIH TLV: 25 ppm
OSHA PEL: 25 ppm MANUFACTURER PEL: Not Established

SECTION III **PHYSICAL CHEMICAL CHARACTERISTICS**

BOILING POINT: 152°F. SPECIFIC GRAVITY: .910 (Water = 1)

VAPOR PRESSURE: Not Established (mm Hg) MELTING POINT: Not Established (degrees F.)

VAPOR DENSITY: Not Established (Air = 1) EVAPORATION RATE: <1 (BuAc = 1)

SOLUBILITY IN WATER: 100 (W/V%) pH: 7.0 to 8.0

APPEARANCE AND ODOR: Deep blue-colored clear liquid with an alcohol odor.

SECTION IV **FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 113°F. METHOD USED: SETA

FLAMMABLE LIMITS: LEL (V/V%) Not Established UEL (V/V%) : Not Established

EXTINGUISHING MEDIA: In case of fire, use water, dry alochol-type or all purpose foam, dry chemical carbon dioxide or other Class B extinguishing agents.

VIDEO DISPLAY CLEANER
SECTION IV cont.

SPECIAL FIRE FIGHTING PROCEDURES:	Full protective equipment, including pressure demand self-contained breathing apparatus and turnout equipment should be worn by firefighters and others exposed to combustion by-products.
UNUSUAL FIRE AND EXPLOSION HAZARD:	COMBUSTIBLE. Keep away from heat and flame.

SECTION V	**REACTIVITY DATA**
STABILITY:	Stable
CONDITIONS TO AVOID:	None known
INCOMPATIBILITY: (MATERIALS TO AVOID)	None known
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide, Carbon Dioxide
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	None known

SECTION VI	**HEALTH HAZARD DATA**
ROUTES OF ENTRY FOR SYSTEMIC POISONING:	Oral - Acute Oral LD50 (rats) = 470 mg/kg (Calculation is based on 100% 2-butoxyethanol. This mixture contains 75% 2-butoxyethanol.) Systemic poisoning is not expected from inhalation or skin absorption. Acute Dermal LD_{50} (rabbits) for 100% 2-butoxyethanol = 220 mg/kg. Acute Inhalation LC_{50} (mouse) for 100% 2-butoxyethanol = 700 ppm/7 hrs.
HEALTH HAZARDS: (ACUTE AND CHRONIC)	Concentrate is an eye irritant and is harmful if swallowed. Prolonged skin contact may be harmful. A short, single exposure is not likely to result in the material being absorbed through skin in harmful amounts. Prolonged and extensive skin contact may lead to symptoms similar to ingestion. Ingestion of concentrate may cause hemolysis leading to leading to possible liver and kidney damage due to 2-butoxyethanol.
CARCINOGENICITY: NTP:	Not Listed IARC: Not Listed OTHER: Not Listed
SIGNS AND SYMPTOMS OF EXPOSURE:	EYE CONTACT: Redness, swelling, sensation of irritation.

VIDEO DISPLAY CLEANER
SECTION VI conti.

SKIN CONTACT: Repeated skin exposure may cause irritation. Prolonged and extensive skin contact may lead to symptoms similar to ingestion (see below).

INGESTION: Symptoms include headache, dizziness, incoordination, nausea, vomiting, diarrhea and general weakness.

INHALATION: (For signs and symptoms see Ingestion)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

EMERGENCY AND FIRST AID PROCEDURES:

EYES: (If contacts worn, remove) For 15 minutes flush eyes with water. If irritation persists, contact physician.

SKIN: Wash with soap and water after contact.

IF INGESTED: Drink a glass of water, then IMMEDIATELY contact a Poison Control Center or a physician to see when to induce vomiting.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

RELEASE OR SPILL ACTIONS: Remove possible sources of ignition. Avoid contact with eyes, skin, mouth and clothing. Wear protective eyewear and impervious gloves. Pick up as much product as possible using an absorbent mop. Follow by mopping or flushing the area with clean water.

WASTE DISPOSAL METHOD: Dispose only in accordance with applicable federal, state, and local laws and regulations.

PRECAUTIONS IN HANDLING AND STORAGE: Store in a cool, dry, well-ventilated area. Store away from sparks, open flame or any source of heat. Avoid eye contact and prolonged skin contact.

OTHER PRECAUTIONS: Always practice good housekeeping and hygienic measures. Clean up spills immediately.

SECTION VIII — CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally needed.

VENTILATION: Not normally needed.

SKIN PROTECTION: Not normally needed.

EYE PROTECTION: Not Normally needed.

VIDEO DISPLAY CLEANER
SECTION VIII cont.

WORK/HYGIENIC PRACTICES: Not Applicable.

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Disk Cleaner

GLOVES, AND RUBBER APRON.

OTHER PROTECTIVE MEASURES: AN EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

FIRE AND EXPLOSION INFORMATION

FLASH POINT, DEG F: 53 FLAMMABLE LIMITS IN AIR, %
METHOD USED: TOC LOWER: 2 UPPER: 12.7
EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CHEMICAL, CO2, OR ALCOHOLIC FOAM. DO NOT USE A DIRECT WATER STREAM.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES EXPOSED TO FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTINGUISH ALL NEARBY SOURCES OF IGNITION BECAUSE VAPORS MAY BE MOVED BY AIR CURRENTS TO IGNITION SOURCES DISTANT FROM THE HANDLING POINT.

HAZARDOUS REACTIVITY

STABILITY: STABLE POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT, SPARKS, AND OPEN FLAMES.

MATERIALS TO AVOID: STRONG OXIDIZERS, ALUMINUM, ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE, HYDROGEN-PALLADIUM COMBINATION, H2 O2-H2 SO4 COMBINATION, HYPOCHLOROUS ACID, ISOCYANATES, NITROFORM, PHOSGENE, OLEUM, PERCHLORIC ACID, POTASSIUM T-BUTOXIDE, ACIDS, ALKALIS, AMINES, HALOGENS, HALOGEN COMPOUNDS, ANHYDRIDES, AND ALDEHYDES.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY LIBERATE CARBON MONOXIDE OR CARBON DIOXIDE.

SPILL, LEAK, AND DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS OR LEAKS: WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS, RUBBER GLOVES, RUBBER APRON, AND A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE OR A SUPPLIED-AIR RESPIRATOR. IF THE SPILL OR LEAK IS SMALL, A FULL FACEPIECE AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS MAY BE SATISFACTORY. IN ANY EVENT, ALWAYS WEAR EYE PROTECTION. EXTINGUISH ALL IGNITION SOURCES AND ENSURE THAT ALL HANDLING EQUIPMENT IS ELECTRICALLY GROUNDED. FOR SMALL SPILLS OR DRIPS, MOP OR WIPE UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS, CONTAIN BY DIKING WITH SOIL OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIALS AND THEN PUMP INTO DOT-APPROVED WASTE CONTAINERS; OR ABSORB WITH NON-COMBUSTIBLE SORBENT MATERIAL, PLACE RESIDUE IN DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS, AND SOIL.
COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILL REPORTING, AND HANDLING AND DISPOSAL OF WASTE.

DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.
NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES, GASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS: KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. VENT CONTAINER FREQUENTLY, AND MORE OFTEN IN WARM WEATHER, TO RELIEVE PRESSURE. ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING THIS PRODUCT AND USE ONLY NON-SPARKING TOOLS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT USE PRESSURE TO EMPTY CONTAINER. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

REPAIR AND MAINTENANCE PRECAUTIONS: DO NOT CUT, GRIND, WELD, OR DRILL *ON OR NEAR* THIS CONTAINER.

OTHER PRECAUTIONS: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

----------FOR ADDITIONAL INFORMATION----------

CONTACT MSDS COORDINATOR, VAN WATERS & ROGERS INC.
DURING BUSINESS HOURS, PACIFIC TIME (408)433-8700

----------OTHER REGULATORY INFORMATION----------

THE COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

UNDER MASSACHUSETTES RIGHT-TO-KNOW LAW, HAZARDOUS SUBSTANCE AND EXTRA-ORDINARILY HAZARDOUS SUBSTANCES COMPONENTS PRESENT IN THIS PRODUCT WHICH REQUIRES REPORTING ARE:

EXTRAORDINARILY HAZARDOUS SUBSTANCES CHEMICAL	CAS NO.	CONCENTRATION (=> 0.0001%)
ISOPROPANOL	67-63-0	100

UNDER THE PENNSYLVANIA RIGHT-TO-KNOW LAW, HAZARDOUS SUBSTANCES AND SPECIAL HAZARDOUS SUBSTANCES COMPONENTS PRESENT IN THIS PRODUCT WHICH REQUIRE REPORTING ARE:

HAZARDOUS SUBSTANCES CHEMICAL	CAS NO.	CONCENTRATION (=> 1%)
ISOPROPANOL	67-63-0	100

CALIFORNIA SCAQMD RULE 443.1 VOC'S
VOC: 785 G/L VAPOR PRESSURE: 33 MMHG @ 20 DEG C.

----------NOTICE----------

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ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS BELIEVED TO BE ACCURATE, VW&R MAKES NO REPRESENTATIONS AS TO ITS ACCURACY OR SUFFICIENCY. CONDITIONS OF USE ARE BEYOND VW&R'S CONTROL AND THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES AND THEY ASSUME ALL RISKS OF THEIR USE, HANDLING, AND DISPOSAL OF THE PRODUCT, OR FROM THE PUBLICATION OR USE OF, OR RELIANCE UPON, INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY OTHER PROCESS.

----------REVISION----------

09/89: REVISEDE NFPA RATING.

02/90: ADDED NOTES TO PHYSICIAN, OTHER REGULATORY INFORMATION

**** E N D O F M S D S ****

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